PROJECT NUMBER: 5001
PROJECT TITLE: Packaging Studies
PROJECT LEADER: H. R. Dunaway
PERIOD COVERED: June, 1988

PACKAGING STUDIES

A. **Objective**: Provide technical packaging support to Manufacturing, Manufacturing Services, Engineering, Purchasing, and Quality Assurance. In addition, assist New Products Directorate in evaluating new packaging concepts and products.

B. **Status/Plans**:

1. **All Natural**: PMI 100 Menthol FTB were conditioned to OV levels in 1% increments down to 6% for subjective evaluation by Flavor Development.

2. **Hercules Co-Extruded Poly**: Two versions of the subject pack film compared favorably to the currently used Mobil Co-Ex in a six week aging study under various environmental conditions.

3. **Project Trim**: Elan 100 FTB Regular cigarettes were conditioned to OV levels in 1% increments down to 6% for subjective evaluation by Flavor Development.

4. **Residual Printing Solvents in Packaging Materials**: Coordinated testing, and advised Purchasing on the acceptability of the following items for use in production:

- Marl 100 SP-RR/FTB 20/200
- Reynolds Alcohol Resistant Gold Foil
- Thiele-Engdahl Water Lacquer DJW5086D
- .012 SBS Board from International Paper
- Marl 100 SP 20 Gold - Dennison
- Elan Pressure Sensitive Pack Sticker
- 90# C2S Warren Flo Base Sheet for inserts
- 80# C2S WVA Sterling Base Sheet for inserts
- Elan Paper/Foil Pack Sticker
- Elan 60# Hi Gloss Pack Sticker
- Alpine 25¢ Off Pressure Sensitive Sticker
- B&H Select Regular and Menthol Pressure Sensitive Stickers
- Va Slims Shop Carton Insert
- Famous Value UL 100 20/200
- Famous Value LTS KS 20/200
- PMI FF 100 FT 20 AND 20/200
- PMI LTS 100 FT 20 AND 20/200

5. **Taste, Odor, Stale Customer Complaints**: Marlboro KS SP were conditioned to various OV levels for PED testing on the M/C panel.

6. **Alcan Foil w/Brazilian Tissue**: Cigarettes packaged with this test foil, and a control, were found to be subjectively comparable by the Flavor Development Panel.

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